



# SCT53600

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Iq\_Charge On MAX and MIN

ORDERABLE DEVICE	PACKAGING TYPE	STANDARD PACK QTY	PACKAGE MARKING	PINS	PACKAGE DESCRIPTION
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PARAMETER	DEFINITION	MIN	MAX	UNIT

PARAMETER	DEFINITION	MIN	MAX	UNIT

(1)  
(2)

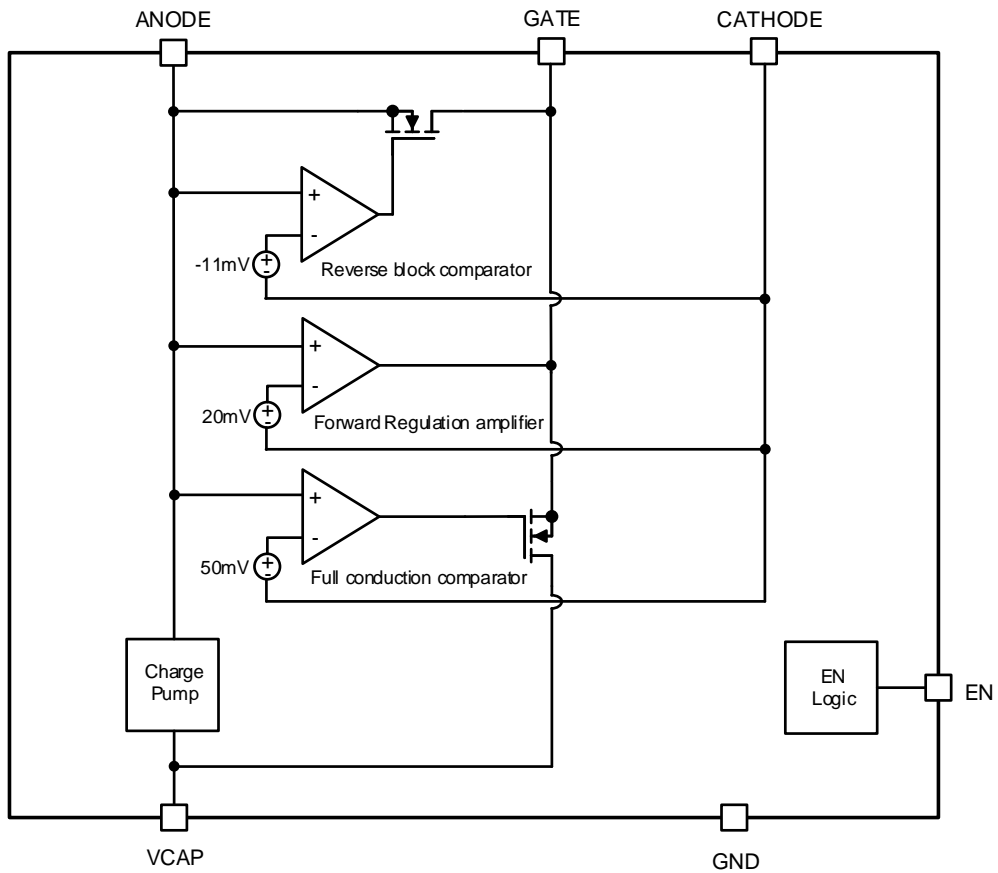
PARAMETER	THERMAL METRIC	SOT23-6L	UNIT

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
<b>SUPPLY VOLTAGE</b>						
V <sub>(ANODE)</sub>						
V <sub>(ANODE POR)</sub>	VANODE POR Rising threshold VANODE POR Falling threshold					
I <sub>SHDN</sub>		V <sub>EN</sub> = 0V				
I <sub>Q_Charge Off</sub>						
I <sub>Q_Charge On</sub>						

<b>ENABLE</b>						
V <sub>EN_H</sub>	Enable input high threshold					
V <sub>EN_L</sub>	Enable input low threshold					
V <sub>EN_HYS</sub>	Enable Hysteresis					







## Overview

protection circuit or be used in a . This easy to use ideal diode controller operates in polarity conjunction with an external N-channel MOSFET to replace other reverse polarity schemes such as a P-channel MOSFET or a Schottky diode.

## Input Voltage

## Enable

## Charge Pump

## Gate Driver and Conduction Mode

# SCT53600

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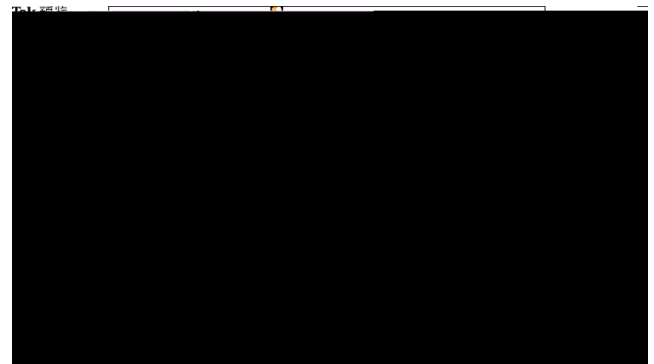
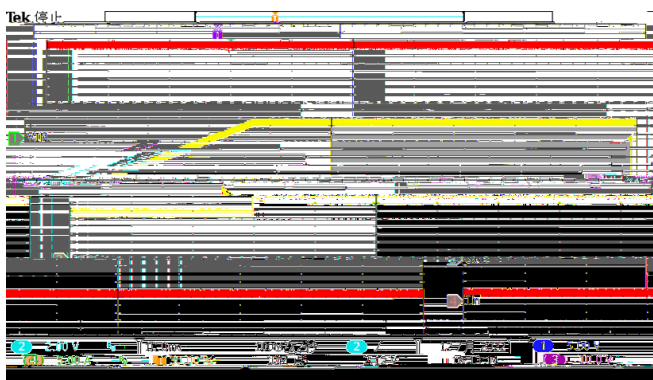
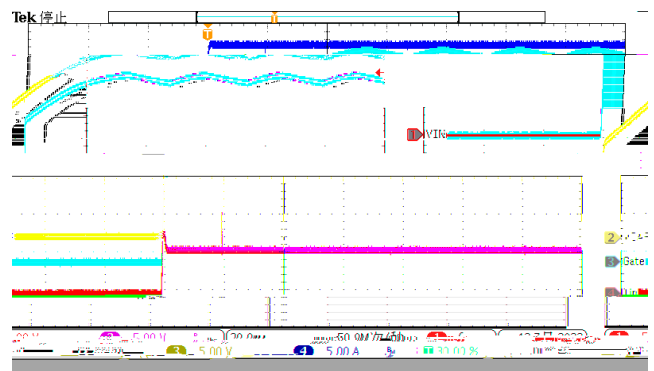
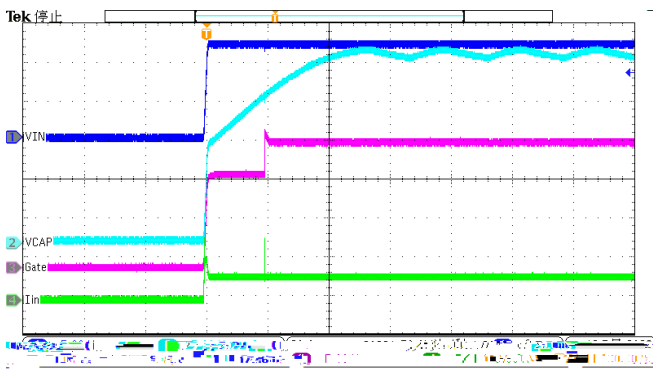
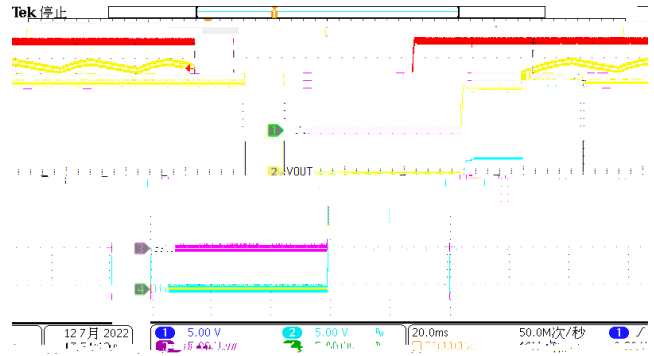
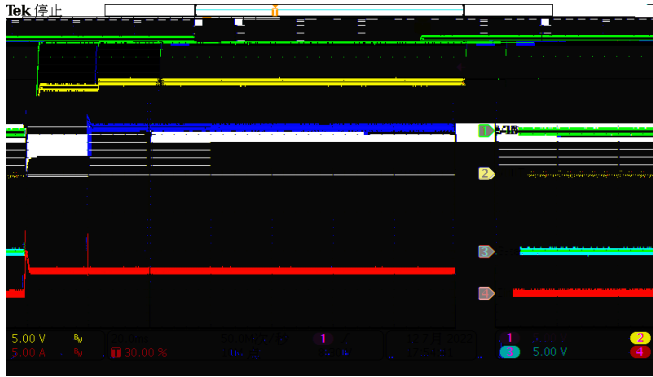
full conduction mode

reverse current protection mode



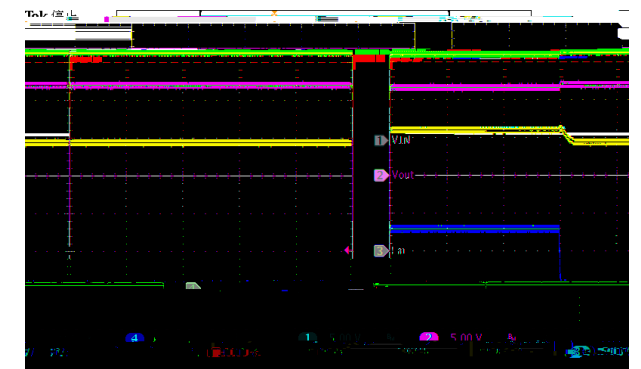
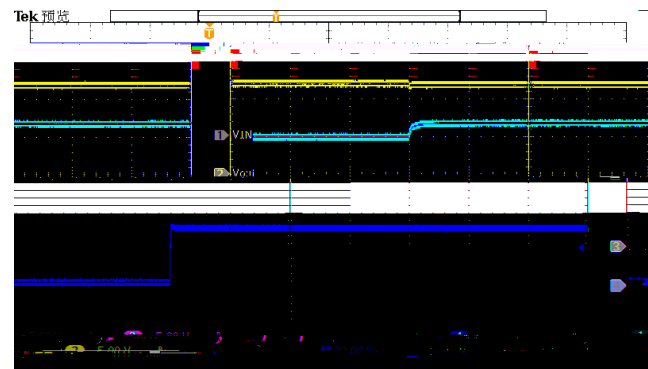
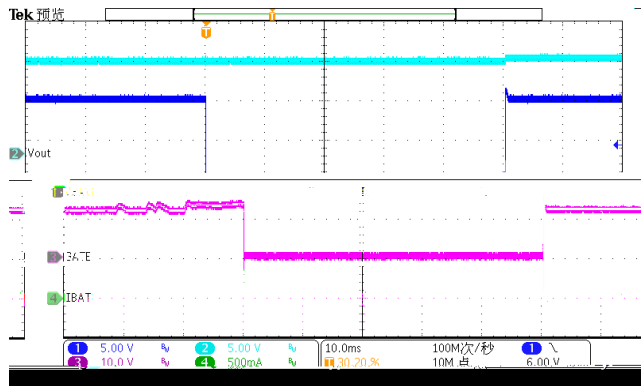
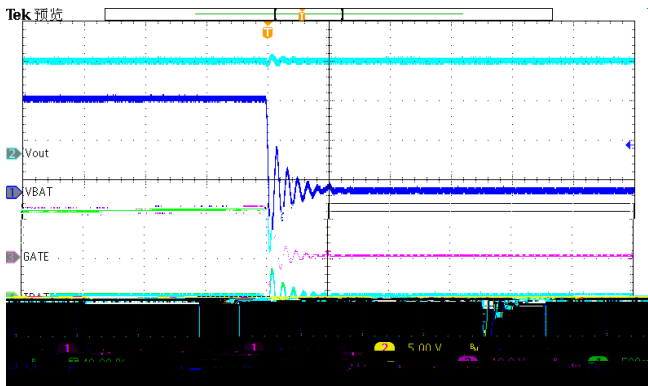
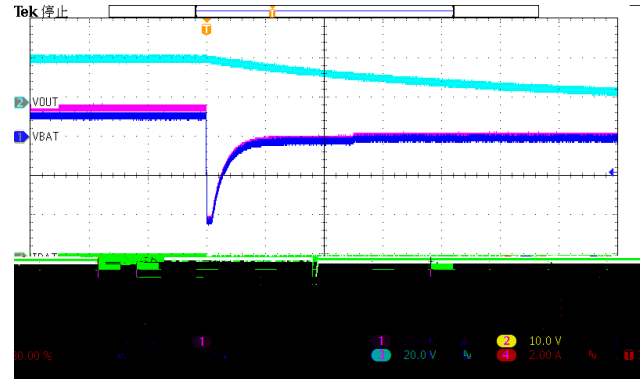
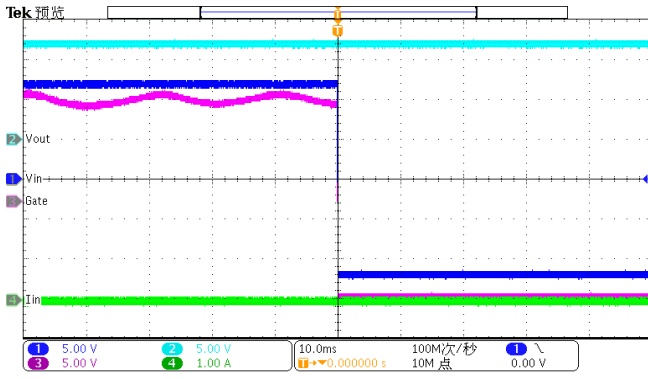


Application Waveforms



# SCT53600

## Application Waveforms(continued)



Typical Application- Redundant Power

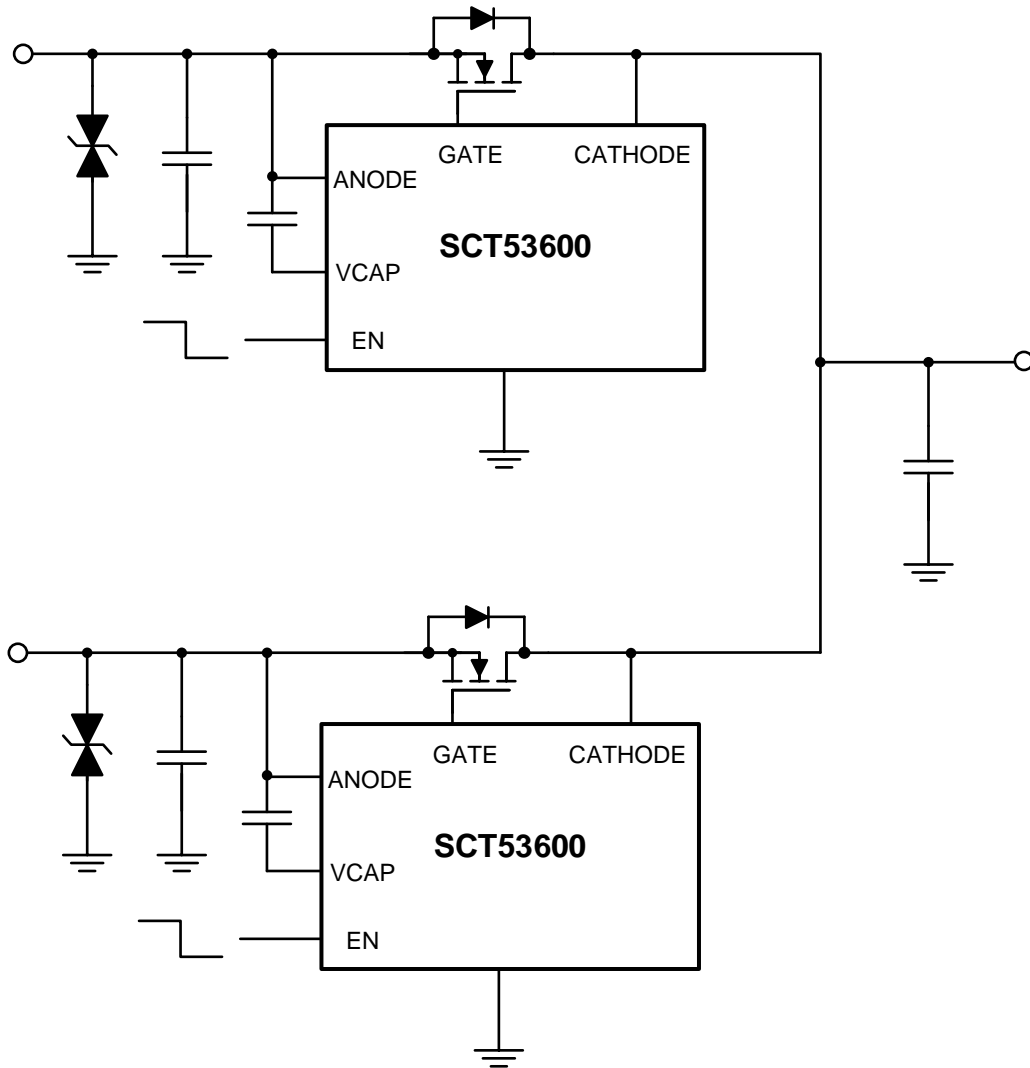


Figure 22. Redundant Power Supply Application

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## Application Waveforms

